

LIST OF MAP UNITS

SURFICIAL DEPOSITS

- | Surficial Deposits (Holocene and Pleistocene) | |
|---|---|
| La | Artificial fill deposits and quarries (Holocene) |
| Ca | Stream-channel alluvium (Holocene) |
| Cl | Flood plain deposits (Holocene) |
| Co | Young terrace-gravel deposits (Holocene) |
| Qu | Young alluvial fan deposits (Holocene) |
| Qv | Valley-fill deposits (Holocene and Pleistocene) |
| Qa | Talus deposits (Holocene and Pleistocene) |
| Ql | Landslide deposits (Holocene and Pleistocene) |
| Qt | Intermediate terrace-gravel deposits (Holocene and Pleistocene) |
| Qm | Intermediate alluvial fan deposits (Holocene and Pleistocene) |
| Qo | Old terrace-gravel deposits (Pleistocene) |
| Qoa | Old alluvial-fan deposits (Pleistocene) |

VOLCANIC ROCKS

- | | |
|------------|--|
| Qmb | Basalt of Moriah Knoll (Pleistocene) |
| Qlt | Little Tanks Basalt (Pleistocene and Pliocene) |
| Qd | Intrusive dike or vent area |
| Qlp | Pyroclastic deposits |
| Qbf | Basalt flows |
| Tdb | Basalt of Diamond Butte (Pliocene) |

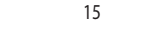
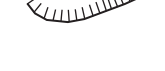



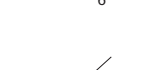



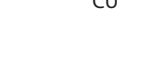





SEDIMENTARY ROCKS

- | Monteagle Formation (Middle 7' and Lower Triassic) | |
|--|---|
| | Upper red member (Middle 7' and Lower Triassic) |
| | Shanbhai Member (Lower Triassic) |
| | Middle red member (Lower Triassic) |
| | Virgin Limestone Member (Lower Triassic) |
| | Lower red member (Lower Triassic) |
| | Timpanog Member (Lower Triassic) |
| | Lower red member and Timpanog Member undivided (Lower Triassic) |
| Kaibab Formation (Lower Permian) | |
| | Harrisburg Member |
| | Fossil Mountain Member |
| | Totoweege Formation (Lower Permian) |
| | Woods Ranch Member |
| | Bradley Canyon Member |
| | Seligman Member |
| | Hermit Formation (Lower Permian) |

SHOWN ONLY IN CROSS SECTION

- Pe** Esplanade Sandstone (Lower Permian)
- Pw** Wescogame Formation (Upper Pennsylvanian)

EXPLANATION

- Contact**
-  **Fault**—Dashed where inferred or approximately located, dotted where concealed, but not out at downstream side. Number is estimated displacement in meters. Number with plus/minus denotes minimum/estimated displacement
-  **Landslide detachment**—Headward scarp of landslide/hatches point in direction of slide
- Folds**—Showing trace of axial plane and direction of plunge; dashed where approximately located, dotted where concealed
- Anticline**
-  **Doubly plunging anticline**
-  **Syncline**
-  **Doubly plunging syncline**
-  **Monocline**
- Dome**
-  **Strike and dip of beds**
-  **Inclined**
-  **Approximate**—Estimated from aerial photographs
-  **Implied**—Interpreted from aerial photographs; dip amount not determined
-  **Strike of vertical and near-vertical joints**
-  **Collapse structure**—Circular collapses, strata dipping inward toward central point. May reflect collapse of deep-seated breccia pipes that originated in Redwall Limestone
-  **Sinkhole**—Steep-walled or enclosed depression or cave
-  **Flow direction of basalt**
-  **Quarry** (see: 31, 33SN, R, 10W)

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Geologic Map of the Upper Hurricane Wash and Vicinity, Mohave County, Northwestern Arizona
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